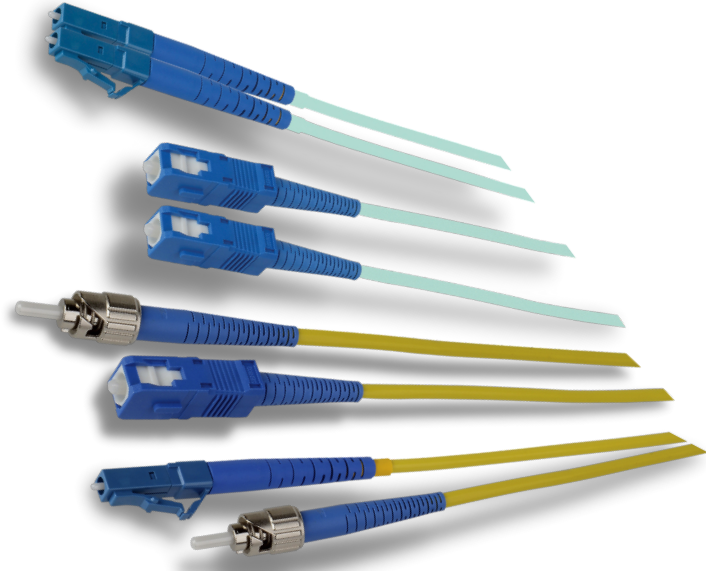


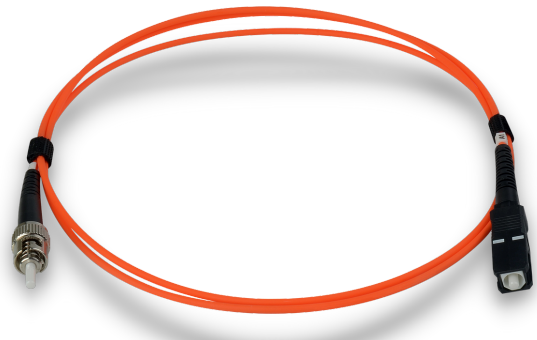
Fiber Optic Jumper Cables by Complex

Multimode & Single Mode Fiber Optic Jumper Cables connect fiber optic patch panels and high-speed network devices. Complex jumper cables are fully tested to ensure reliable performance in critical applications. Available in single mode and multimode fiber cable, simplex or duplex, standard or armored, and a variety of standard fiber optic connectors.



Features:

- Bend Insensitive OS2 Fiber or OM1, OM3 OM4
- Ceramic Ferrules for Long-Lasting Reliability and Precision Alignment
- Connect Patch Panels or Network Devices Requiring 9/125 Single Mode Cabling or 50/125 Multimode Cabling
- OFNR Jacket



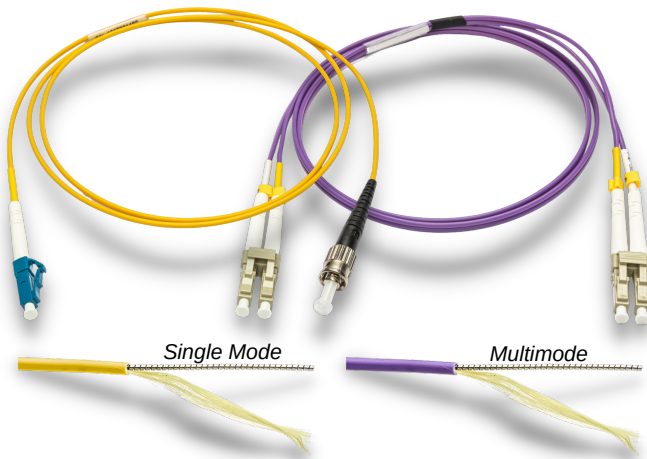
Specifications:

Single Mode:

- 9µm core and 125µm cladding
- Insertion Loss: ≤0.30dB max (PC, UPC) / ≤0.20dB max (APC)
- Return Loss: ≤45dB (PC) / ≤55dB (UPC) / ≤65dB (APC)
- Tensile Strength: Long Term: 160N / Short Term: 300N
- Pressive Strength: Long Term: 300N / Short Term: 1000N
- Bend Radius (mm): Dynamic: 80mm / Static: 40mm
- Attenuation: @1310nm: ≤0.3dB/km / @1550nm: ≤0.3dB/km
- Temperature: -20°C ~ 80°C

Multimode:

- Insertion Loss: ≤0.20dB max (PC)
- Tensile Strength: Long Term: 160N / Short Term: 300N
- Pressive Strength: Long Term: 300N / Short Term: 1000N
- Bend Radius (mm): Dynamic: 80mm / Static: 40mm
- Attenuation: @850nm: ≤3.5dB/km / @1300nm: ≤3.5dB/km
- Temperature: -20°C ~ 80°C
- BW: @850nm: ≥1500MHz Km / @1300nm: ≥500MHz km



Armored Jumper Cables

Features:

- Stainless Steel Armor Provides Added Durability
- Bend Insensitive Fiber for Maximum Flexibility
- Riser-Rated, PVC Jacket
- Flame Retardant and Crush Resistant
- Ideal for Patching Backbone
- Trunks to High-Speed Network Devices
- Ceramic Ferrules for Long-Lasting Reliability and Precision Alignment

Specifications:

Single Mode:

- OS2 Fiber
- Insertion Loss: $\leq 0.30\text{dB}$ (UPC) / $\leq 0.30\text{dB}$ (APC)
- Return Loss: $\leq -55\text{dB}$ (UPC) / $\leq -65\text{dB}$ (APC)
- Tensile Strength: Long Term: 2.0mm 80N / Short Term 2.0mm: 150N
- Pressive Strength: Long Term: 3000N / Short Term: 1500N
- Bend Radius: Dynamic: 60mm / Static: 30mm
- Attenuation: @1310nm: $\leq 0.35\text{dB/km}$ / @1550nm: $\leq 0.21\text{dB/km}$
- Temperature: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$

Multimode:

- OM1, OM3, or OM4 Fiber
- Insertion Loss: $\leq 0.2\text{dB}$
- Tensile Strength: Long Term: 2.0mm 80N / Short Term 2.0mm: 150N
- Pressive Strength: Long Term: 3000N / Short Term: 1500N
- Bend Radius: Dynamic: 60mm / Static: 30mm
- Attenuation: @850nm: $\leq 3.5\text{dB/km}$ / @1300nm: $\leq 1.0\text{dB/km}$
- Temperature: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- BW: @850nm: $\geq 200\text{MHz Km}$ / @1300nm: $\geq 500\text{MHz km}$

Part Number Configurator:

OFNR Jumpers

Fiber	Channel	Micron	Connector	Connector	Length* (meter)	
MM=Multimode	S=Simplex	9=Single Mode	ST	ST	001	030
SM=Single Mode	D=Duplex	50=Multimode 50 μ	LC	LC	002	050
MMX= Armored Multimode		62=Multimode 62.5 μ	SC	SC	003	075
SMX=Armored Single Mode		M4=OM4 Multimode			004	100
					005	200
					010	300
					015	450

EXAMPLES:

SMS9-LC-SC-005, Single Mode, simplex, Single Mode, LC to SC connectors, 5 meter

MMD50-LC-LC-001, multimode, duplex, multimode 50 μ , LC to LC connectors, 1 meter

SMXD9-ST-ST-005, Armored Single Mode, duplex, Single Mode, ST to ST connectors, 5 meter